

# **COSTPCBCB35.1**

## **Plan, analyse and present test results in conservation**



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### **Overview**

This unit is about planning, developing and agreeing a specification for a testing programme, commissioning tests and presenting the data analyses and commentary to stakeholders.

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### Performance criteria

#### Plan, analyse and present test results

*You must be able to:*

- P1 identify factors that may be significant to the **object** and **purpose** of the test through examination of documents, set up and hold discussions and meetings
- P2 identify what data is needed, how accurate the data needs to be and what **data outputs** are required
- P3 develop a clear and accurate specification, criteria, a programme and assessment of resources for the testing programme, and agree them with the stakeholders
- P4 commission **tests** for particular **objects** and **purposes** by selecting competent people and organisations to do the work
- P5 review and **analyse** the data from **tests** whilst maintaining accuracy and integrity
- P6 produce a clear and accurate commentary and interpretation of the data
- P7 **present** the data analyses and commentary clearly and in a format which is suitable for the stakeholders who need to use the findings
- P8 advise users on how to interpret the **test** data

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### Knowledge and understanding

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*You need to know and understand:*

- K1 what to identify as factors that may be significant to the **object** and **purpose** of the **test** through examination of **documents** (understanding)
- K2 how to set up and hold discussions and meetings (application)
- K3 how and why to develop a clear and accurate specification, criteria, programme and assessment of **resources** for the testing programme (synthesis)
- K4 how and why to agree the specification and assessment of resources for the testing programme (evaluation)
- K5 what to identify as the data being needed, how accurate it needs to be and what **data outputs** are required (understanding)
- K6 how and why to commission **tests** (evaluation)
- K7 how and why to review and analyse the **data** from **tests** (application)
- K8 how to produce a clear and accurate commentary and interpretation of the data (application)
- K9 how to **present** the data, analyses and commentary (application)
- K10 how and why to advise users on how to interpret the **test** data (synthesis)

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### Scope/Range

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- 1 Object:**
  - 1.1 soil
  - 1.2 cores
  - 1.3 structures
  - 1.4 deformation
  - 1.5 materials
  - 1.6 moisture
  - 1.7 pollution
  - 1.8 contamination
- 2 Purpose:**
  - 2.1 performance
  - 2.2 routine
  - 2.3 contingency
- 3 Test - type:**
  - 3.1 physical
  - 3.2 condition
  - 3.3 performance
  - 3.4 environmental
  - 3.5 material
- 4 Data outputs:**
  - 4.1 tables
  - 4.2 graphics and samples
  - 4.3 reports
  - 4.4 illustrations
- 5 Analyse:**
  - 5.1 comparison with standard test results
  - 5.2 referenced to accepted scientific/conservation principles and analytical practice
- 6 Present:**
  - 6.1 orally
  - 6.2 in writing
  - 6.3 graphically
  - 6.4 samples
  - 6.5 using photographs
  - 6.6 electronically
  - 6.7 using physical models
  - 6.8 using computer models

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<b>Status</b>	Original
<b>Originating organisation</b>	ConstructionSkills
<b>Original URN</b>	COSTPCBCB35.1
<b>Relevant occupations</b>	Town planners; chartered surveyors (not quantity surveyors); building inspectors; construction project manager and related professions
<b>Suite</b>	Town Planning, Conservation and Building Control
<b>Key Words</b>	Testing programme; specification; stakeholders; commission; data analyses

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